

Figure 1.

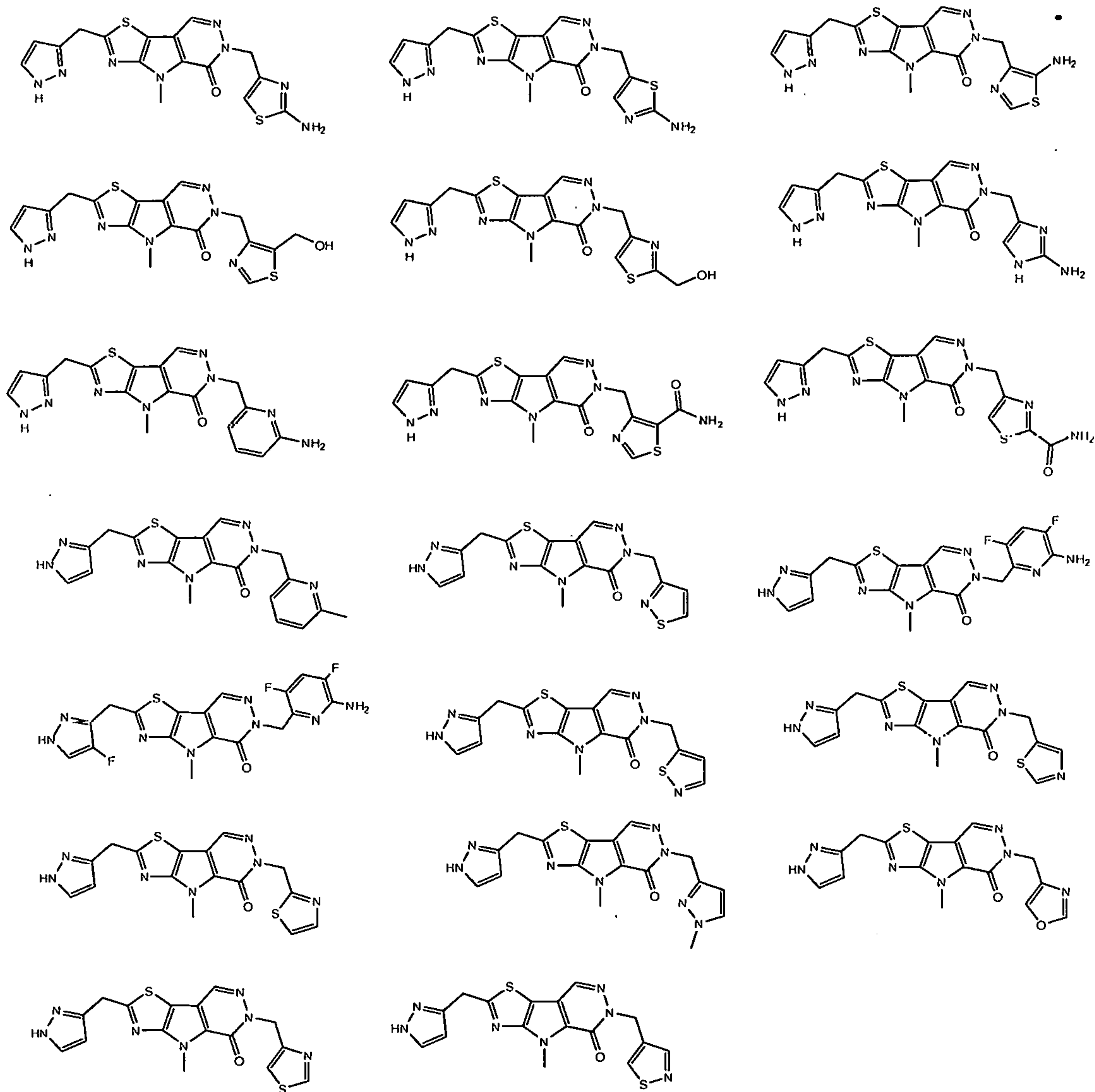


Figure 2. Table of intermediates used in Examples 1-10

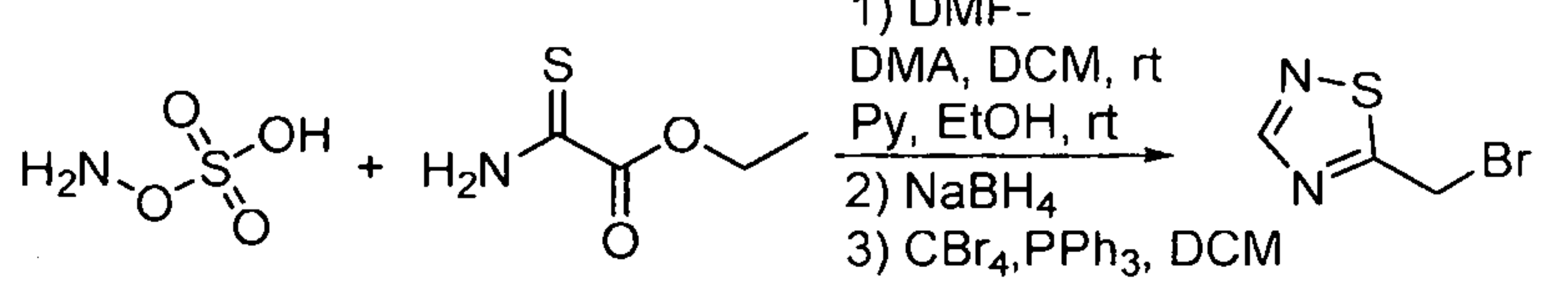
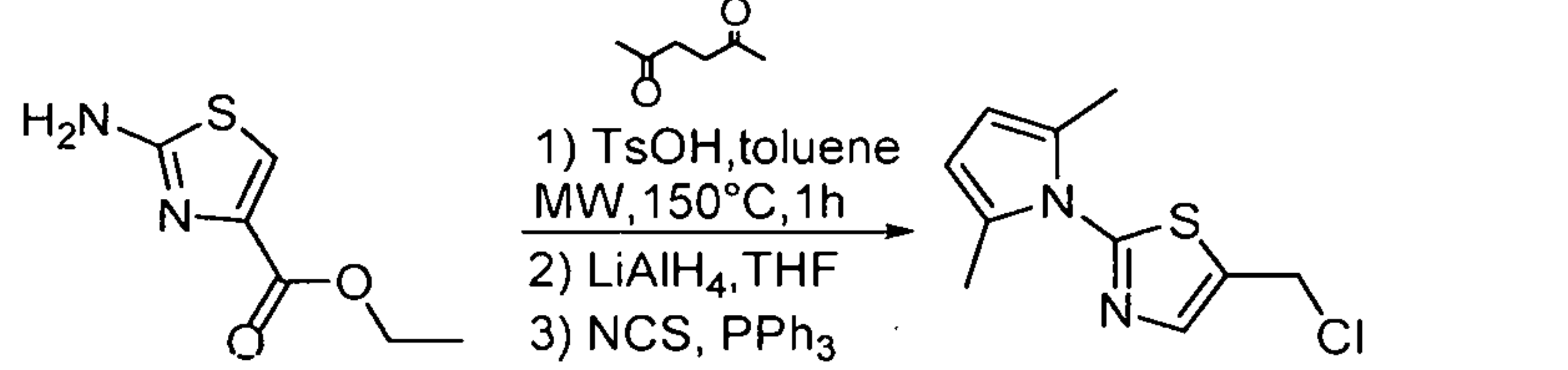
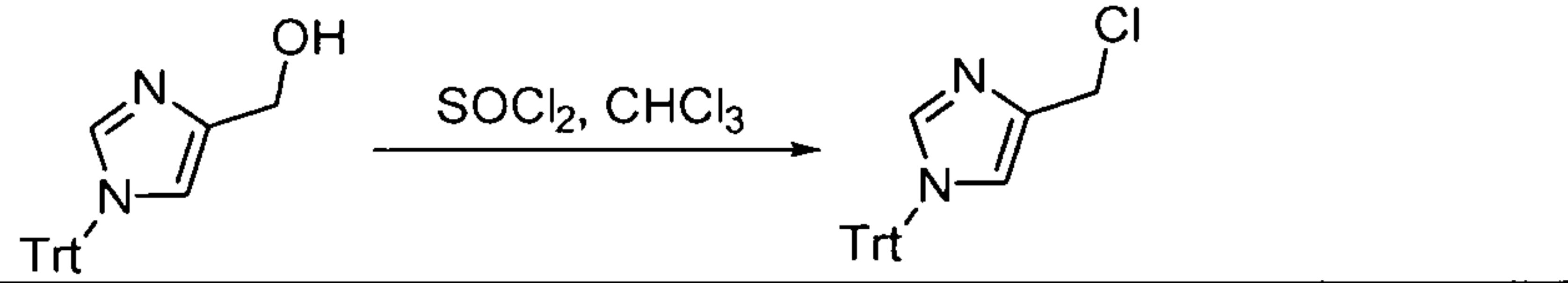
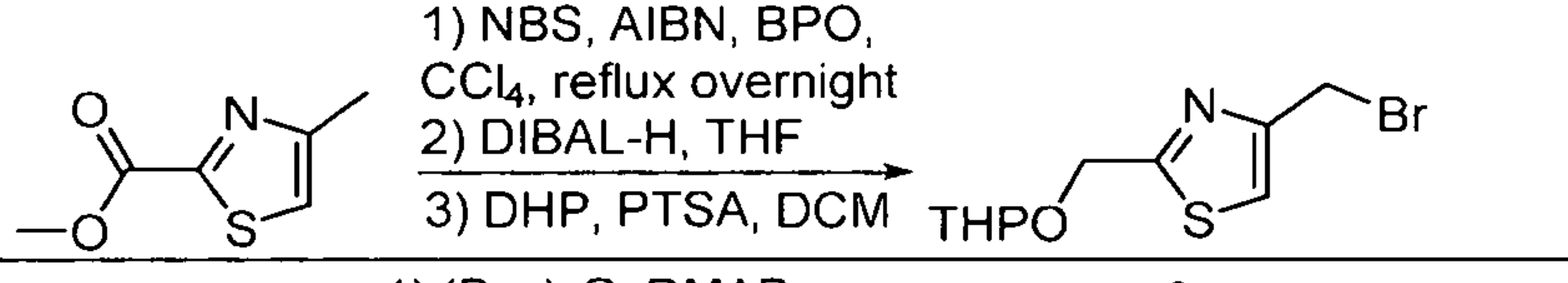
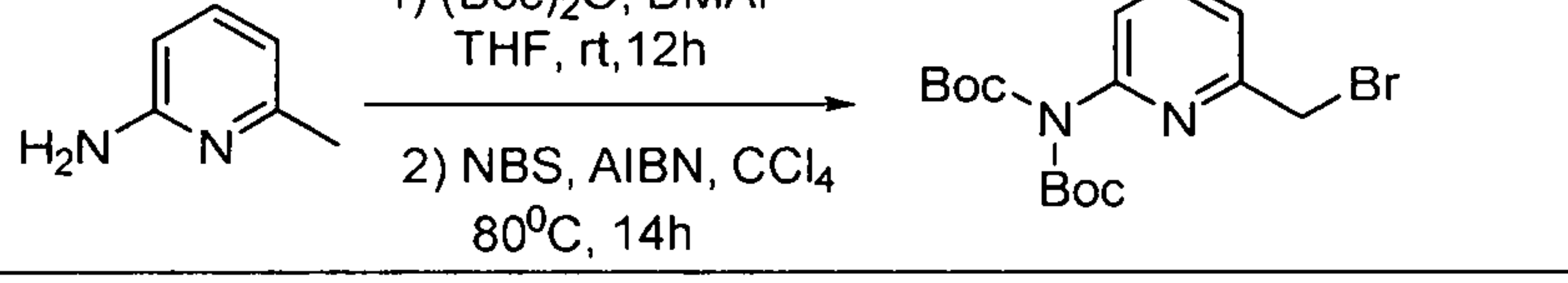
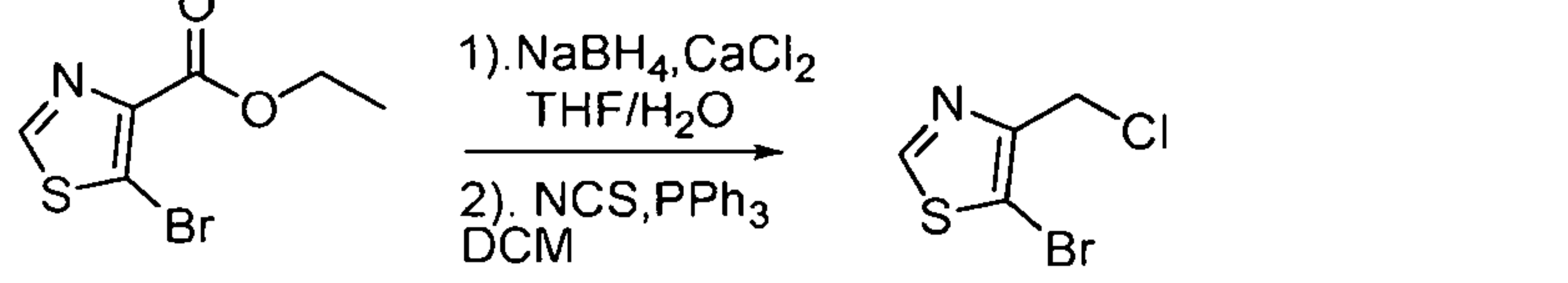
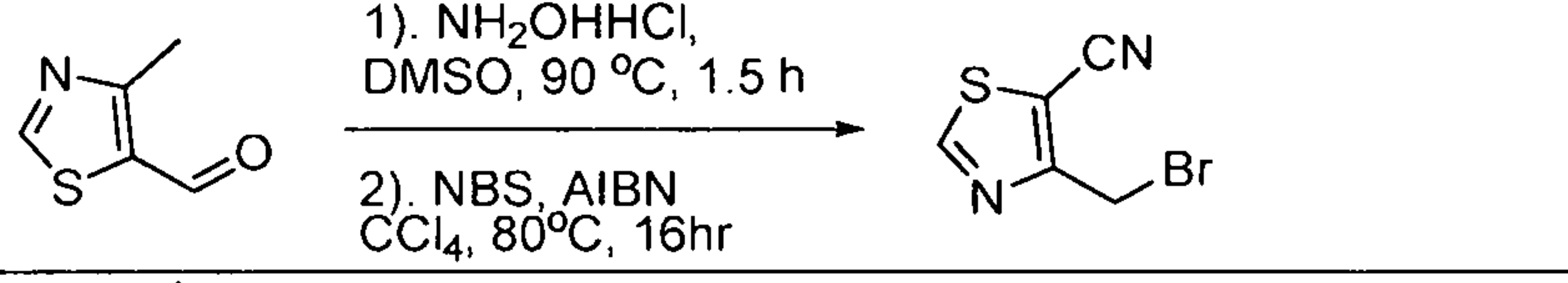
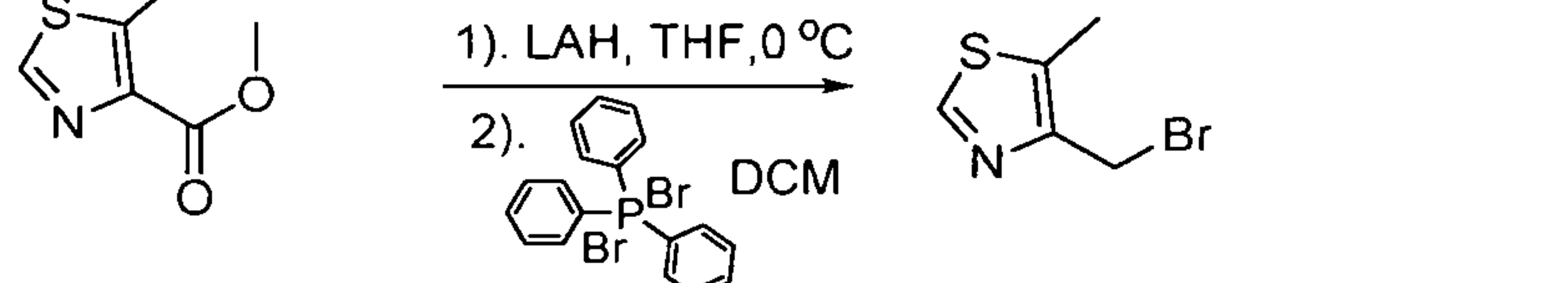
Cpds in Examples	Synthesis of the intermediates
E7-7	
E7-8	
E7-9	
E7-10	
E7-12	
E7-15	
E7-17	
E7-19	
E7-21	

Figure 2 - Continued

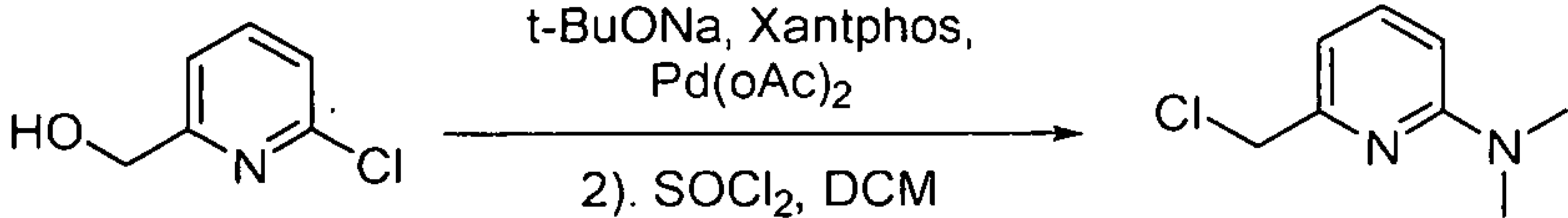
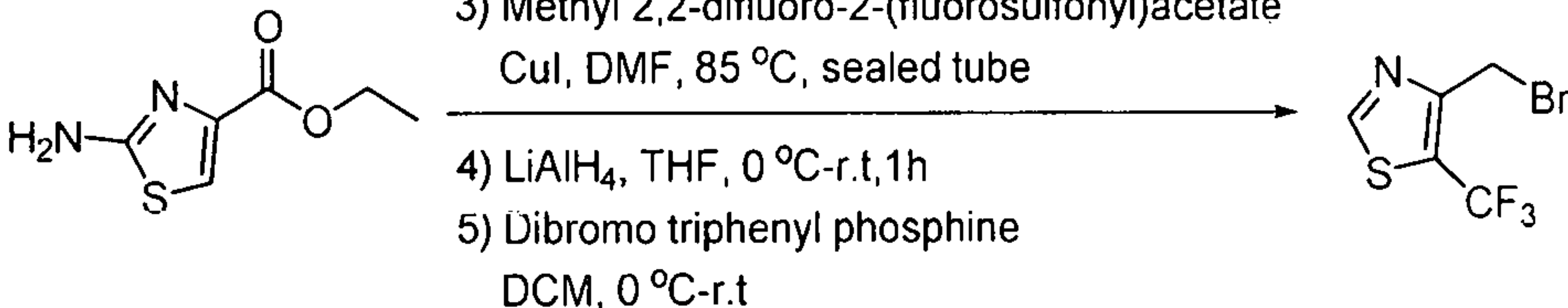
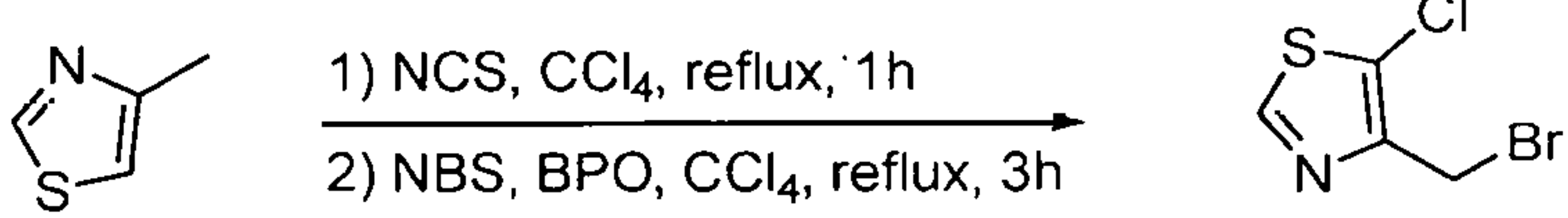
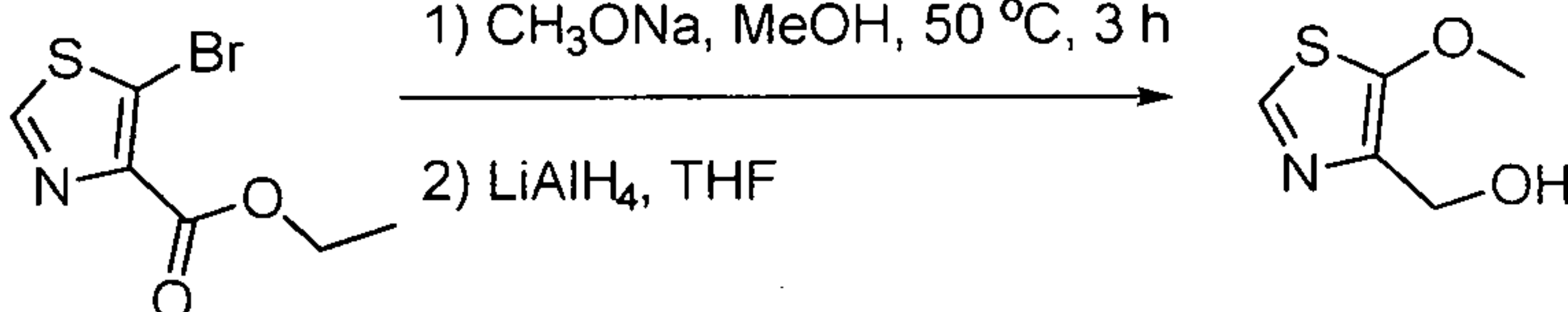
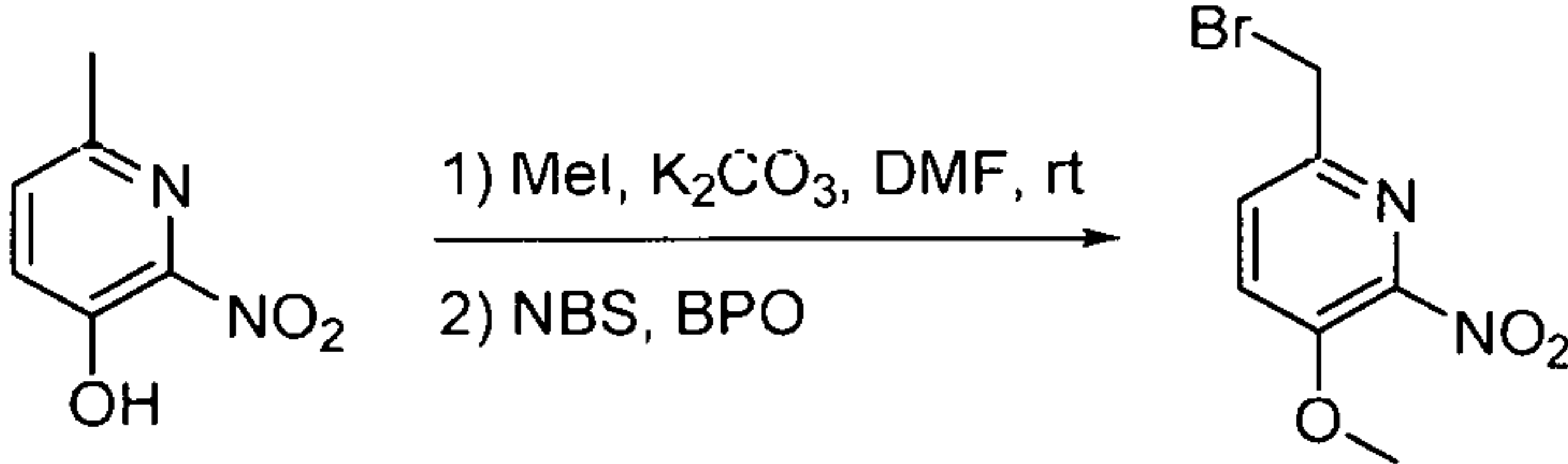
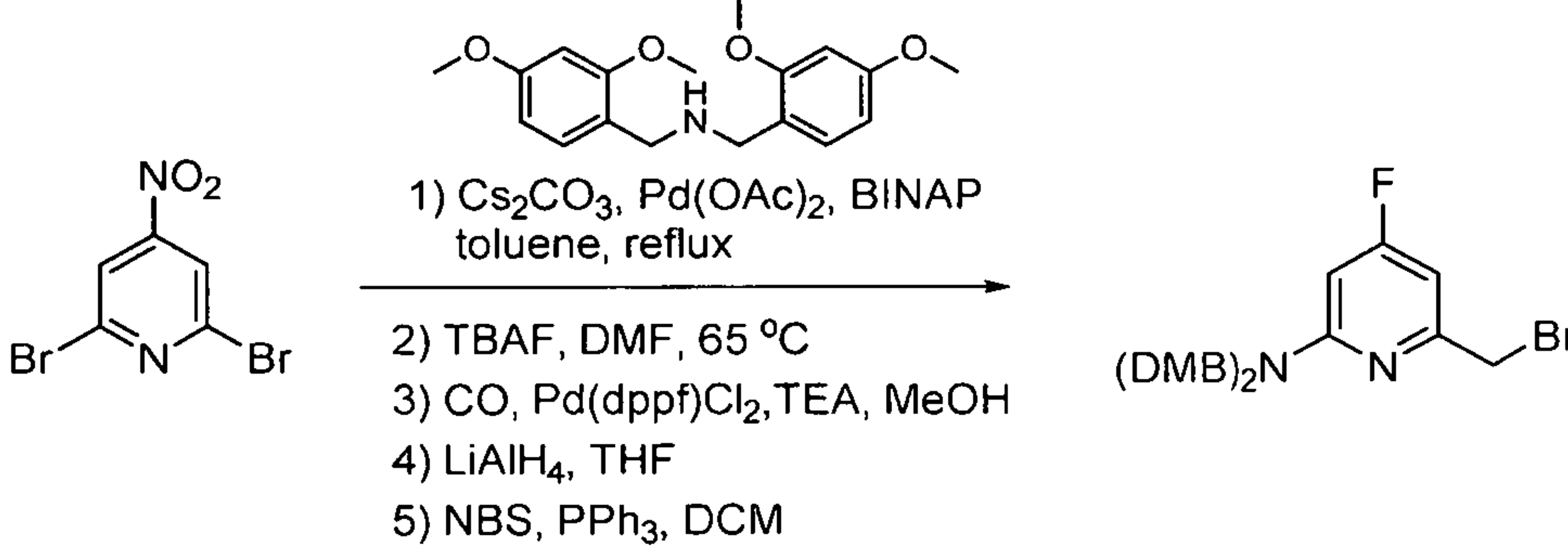
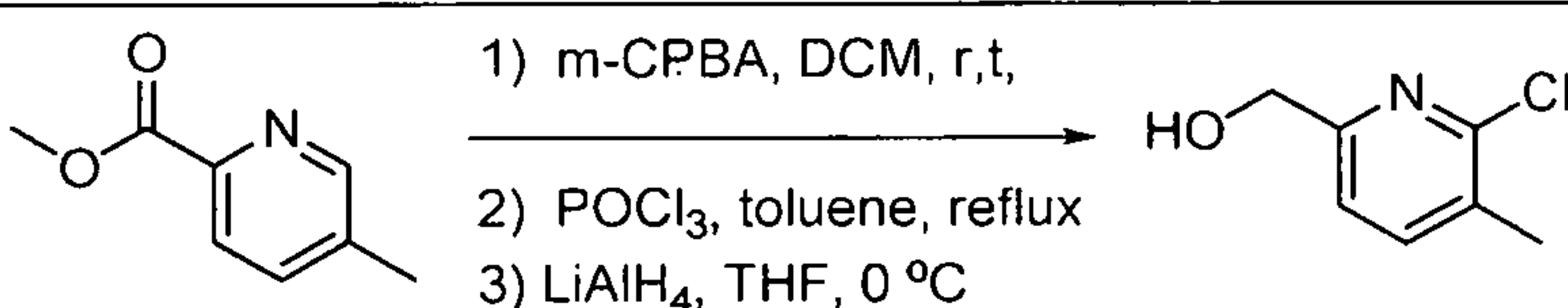
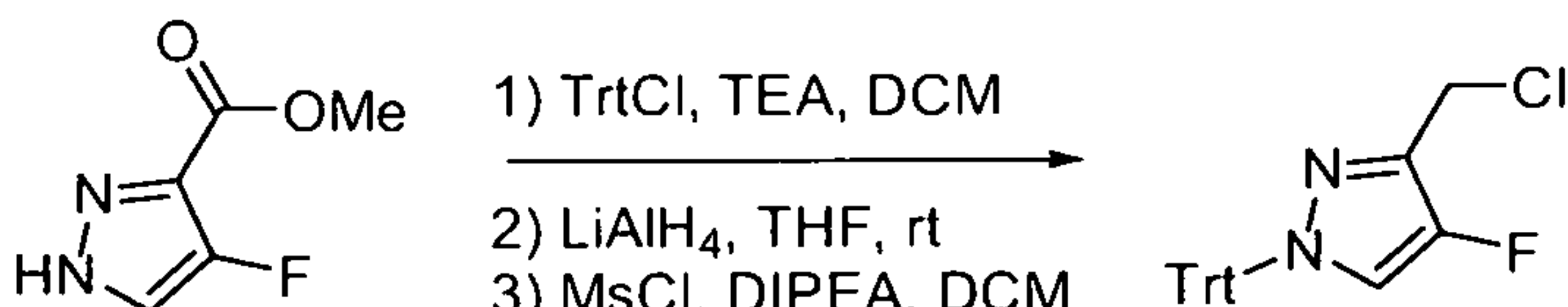
E7-22	 1). dimethylamine in THF t-BuONa, Xantphos, Pd(oAc)₂ 2). SOCl₂, DCM
E7-23	 1) NIS, DCM r.t, 24 h 2) <i>t</i>-BuNO₂, THF, 50 °C-r.t, 2h 3) Methyl 2,2-difluoro-2-(fluorosulfonyl)acetate CuI, DMF, 85 °C, sealed tube 4) LiAlH₄, THF, 0 °C-r.t, 1h 5) Dibromo triphenyl phosphine DCM, 0 °C-r.t
E7-24	 1) NCS, CCl₄, reflux, 1h 2) NBS, BPO, CCl₄, reflux, 3h
E7-25	 1) CH₃ONa, MeOH, 50 °C, 3 h 2) LiAlH₄, THF
E7-27	 1) MeI, K₂CO₃, DMF, rt 2) NBS, BPO
E7-28	 1) Cs₂CO₃, Pd(OAc)₂, BINAP toluene, reflux 2) TBAF, DMF, 65 °C 3) CO, Pd(dppf)Cl₂, TEA, MeOH 4) LiAlH₄, THF 5) NBS, PPh₃, DCM
E7-29	 1) m-CPBA, DCM, r.t, 2) POCl₃, toluene, reflux 3) LiAlH₄, THF, 0 °C
E7-30	 1) TrtCl, TEA, DCM 2) LiAlH₄, THF, rt 3) MsCl, DIPEA, DCM

Figure 2 - Continued

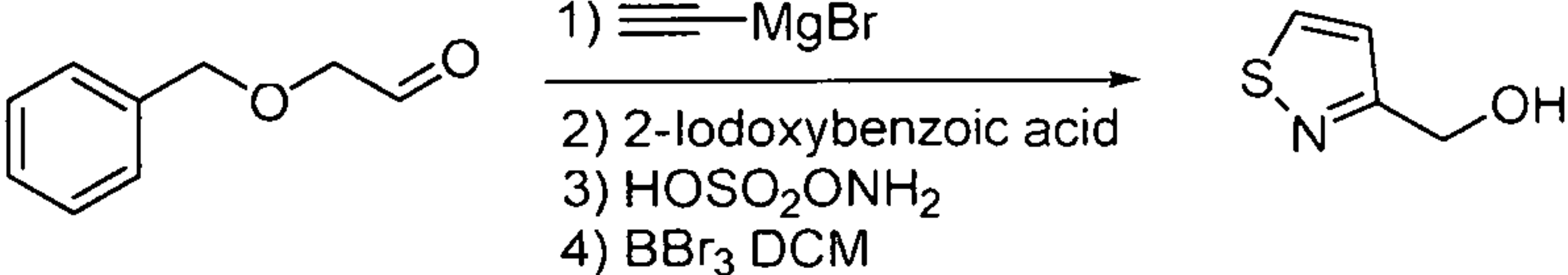
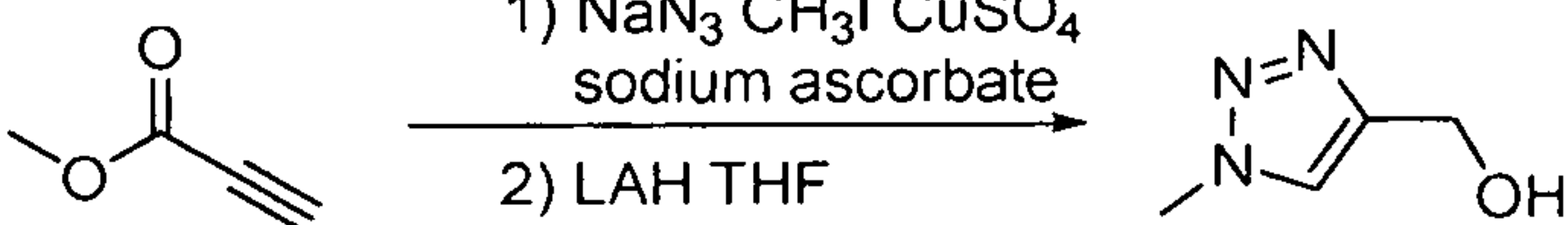
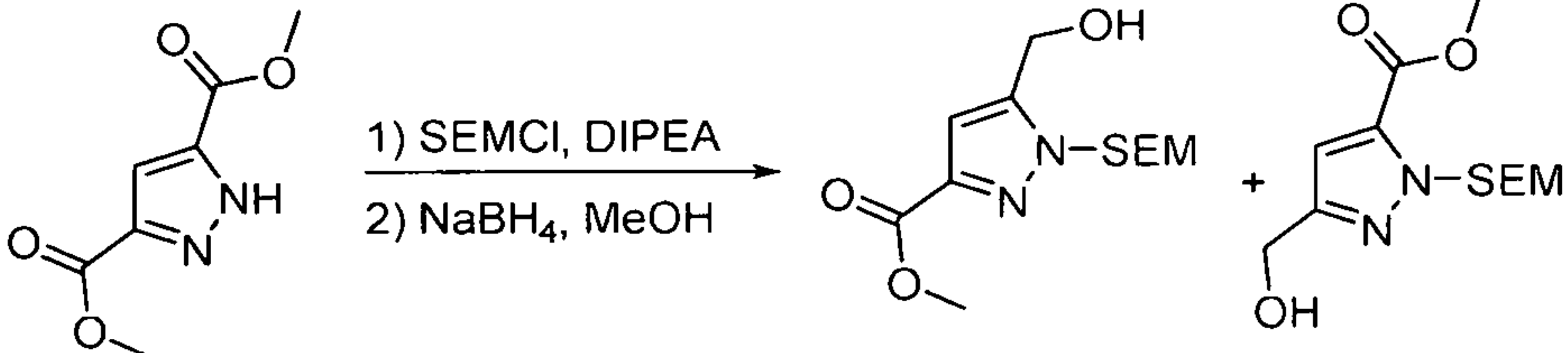
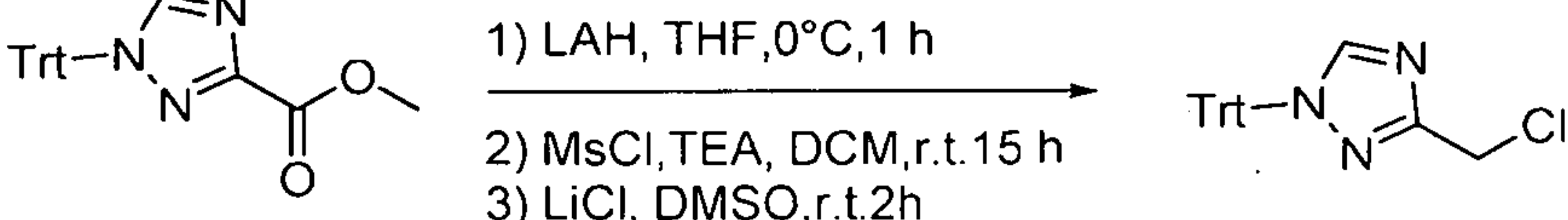
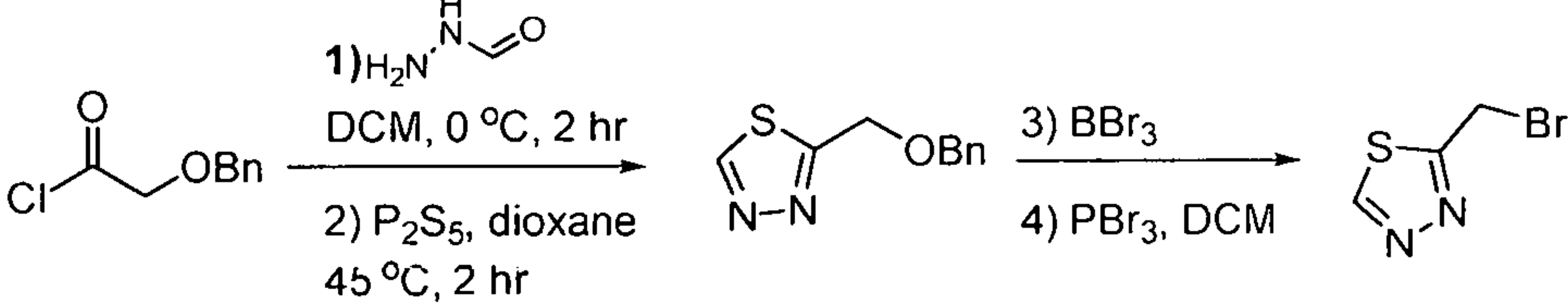
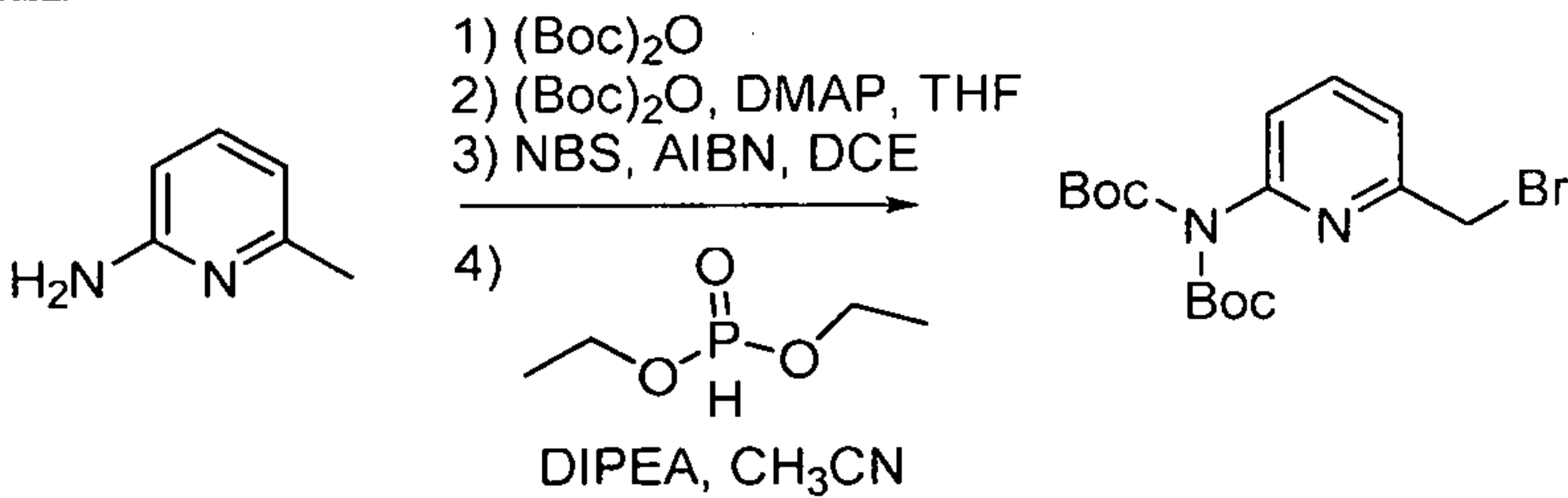
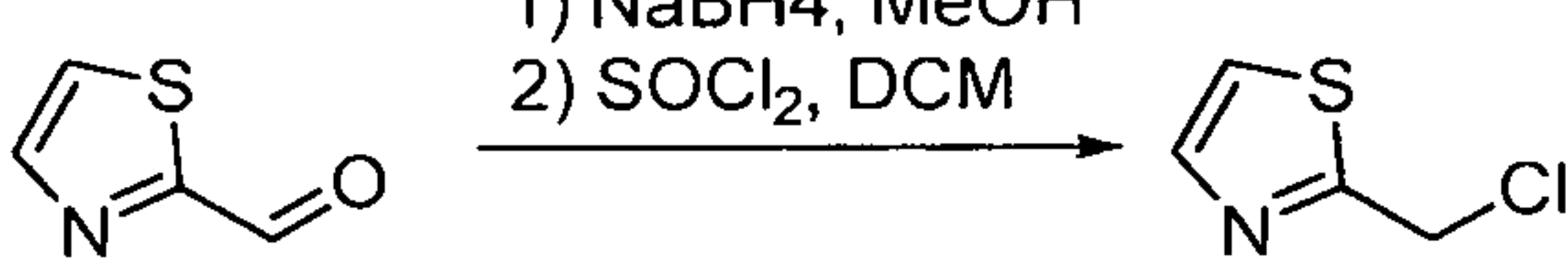
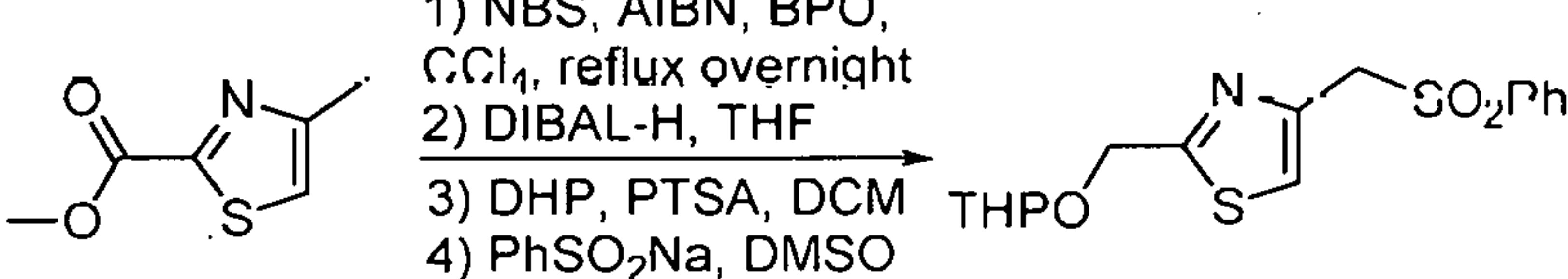
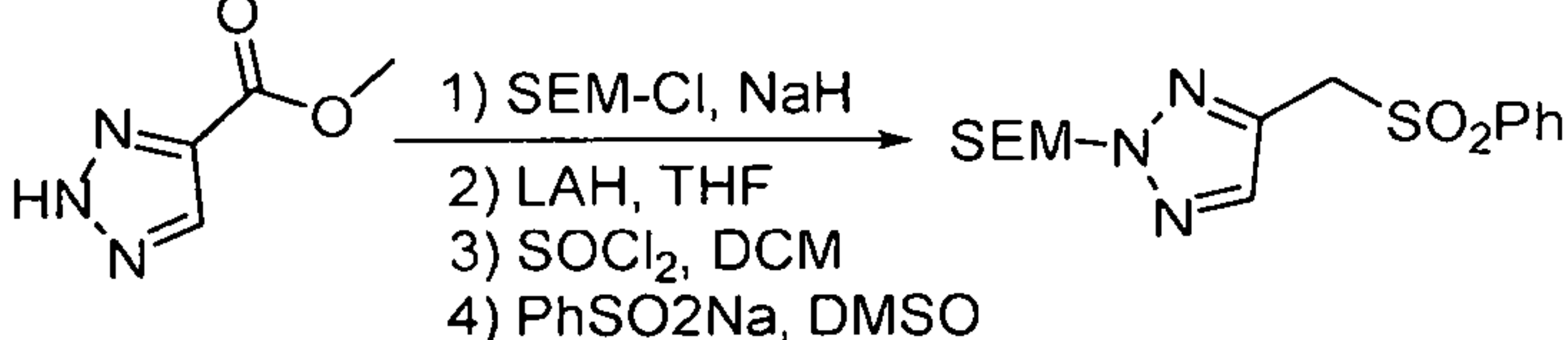
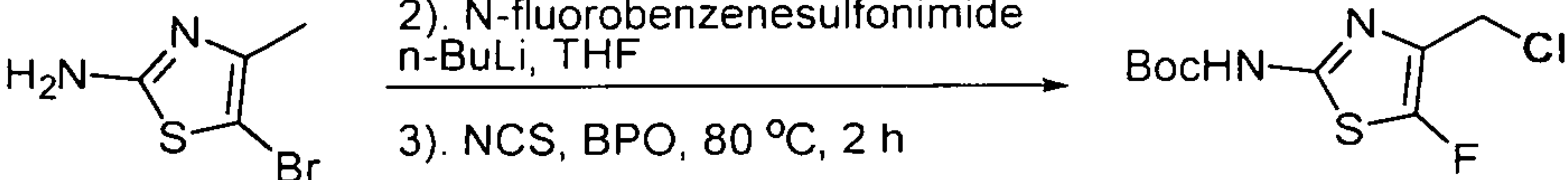
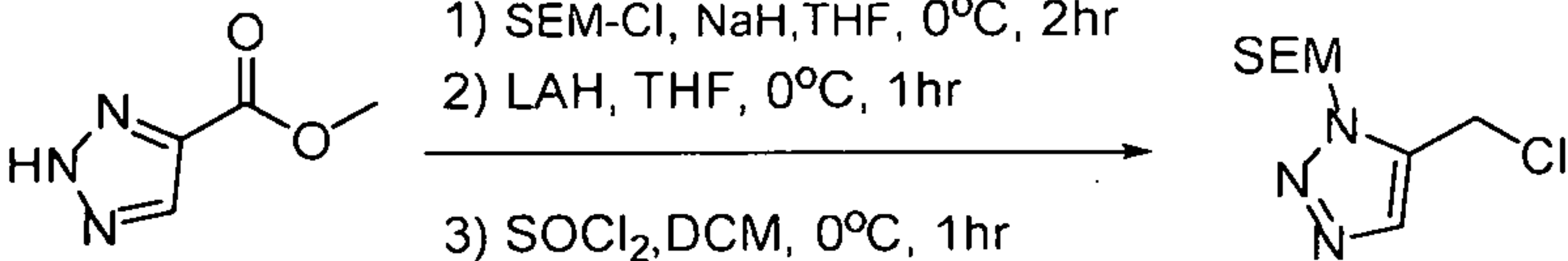
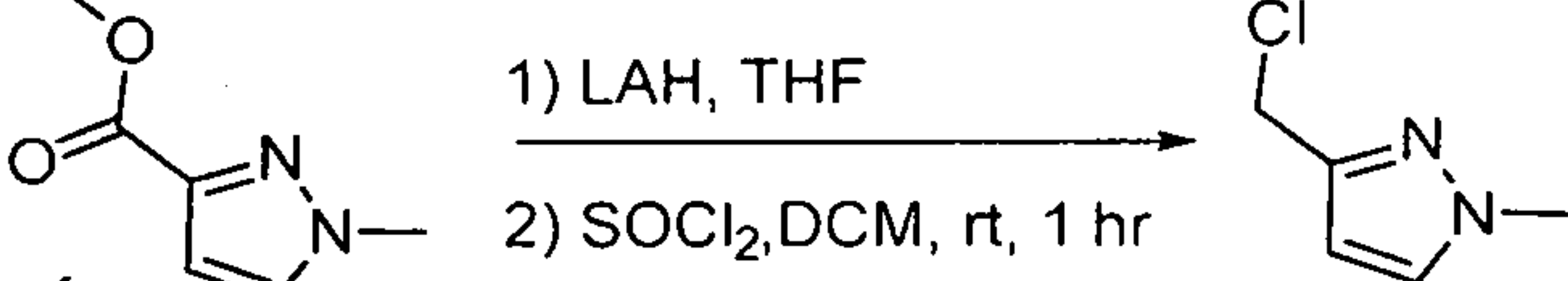
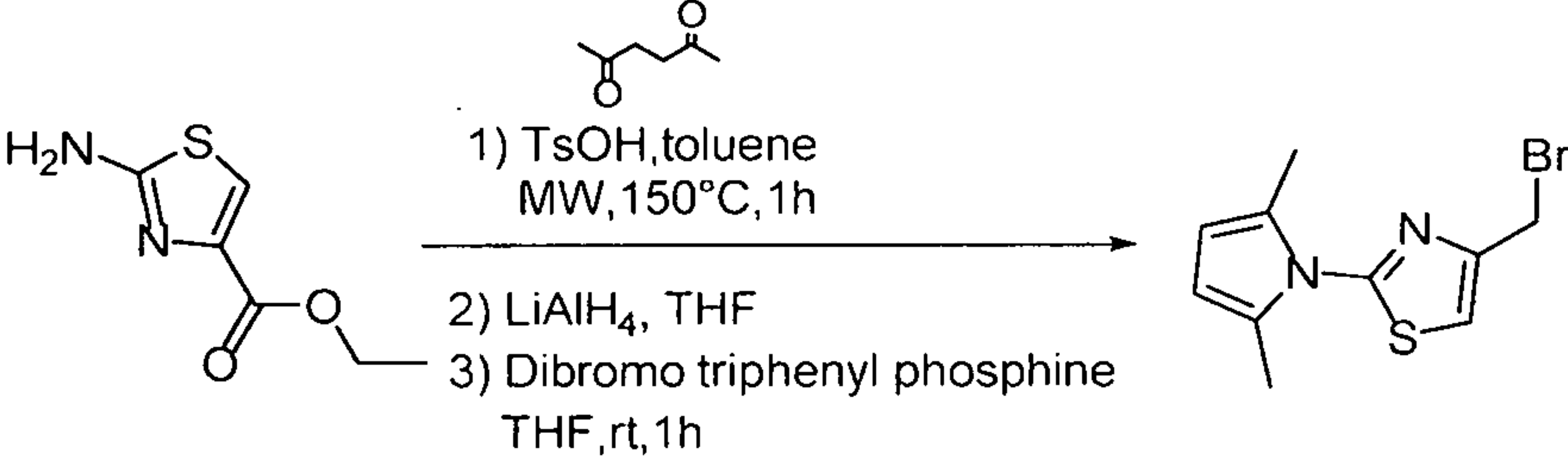
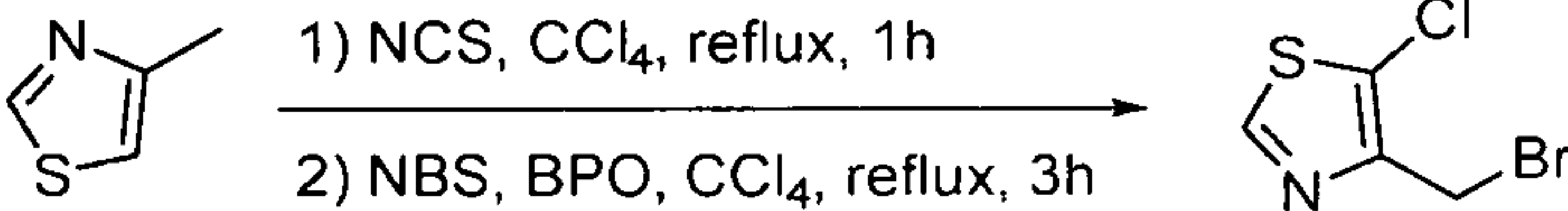
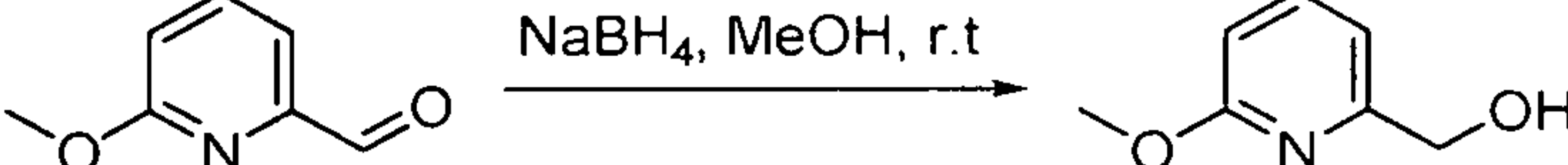
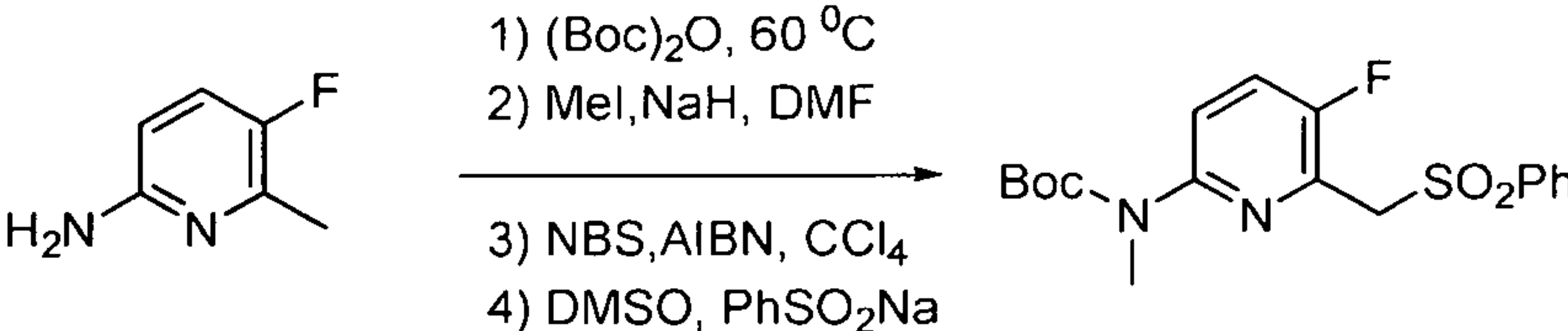
E7-41	
E7-43	
E7-46	
E7-55	
E7-56	
E8-4	
E8-11	
E8-18	
E8-23	

Figure 2 - Continued

E8-27, E8-28, E8-37, E8-38	
E8-27, E8-28, E8-32, E8-40	
E8-30	
E8-31	
E8-32 E8-33	
E8-36	
E8-52	
E8-53	